

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 3: 4th full paragraph, amend as indicated below:

The driving unit 340 includes: shafts 322b, whose one ends are respectively attached to centers of the circular eccentric arms 324; sprockets 342 respectively attached to the other ends of the shafts 322b; a timing chain engaged with the sprockets 342; a gear 346 attached to one of the shafts 322b; a gear 350 engaged with the gear 346; and a motor 348 for rotating the gear 350.

Page 3: 5th full paragraph, amend as indicated below:

In the polishing machine shown in Fig. 18, the polishing plates 302 and 310 are rotated in the predetermined directions by the motor 348 of the circular motion mechanism 320. Therefore, the carrier holder 312 sandwiched between the polishing plates 302 and 310 performs small circular motion, without revolving on its own axis, in a plane including the carrier 300. The peripheral speed differences of the carrier and the work pieces 100, which are caused by revolution of the carrier, can be solved.

Page 3: 6th full paragraph bridging pages 3 and 4, amend as indicated below:

Unlike the polishing machine shown in Figs. 16 and 17, the carrier 300 has no gear teeth engaging with the internal gear and the sun gear. Therefore, no abrasion dusts are formed and stuck onto the carrier 300. Further, no abrasion dusts are stuck onto polishing faces of the polishing plates ~~[[300]]~~302 and 310.

Page 4: 1st full paragraph, amend as indicated below:

However, in the polishing machine shown in Fig. 18, the center of the carrier 300 is shifted a distance “M” from a coaxial line “L” of the polishing plates ~~[[300]]~~302 and 310. The carrier 300 orbits around the line “L” without revolving its own axis. A radius of the circular orbit motion of the carrier 300 is equal to a distance between the shafts 322a and 322b (=“M”).

Page 10: 1st full paragraph, amend as indicated below:

The upper polishing plate ~~[[24]]~~10 is rotated by an electric motor ~~[[25]]~~99 and vertically moved by a proper unit, e.g., a cylinder unit.

Page 14: 5th full paragraph, amend as indicated below:

Simultaneously, the servo motors 52 and ~~[[62]]60~~ are started so as to rotate the eccentric arms ~~[[24]]34~~ and 44 of the performing means 30 and 40 in the same direction.

Page 15: 4th full paragraph, amend as indicated below:

For example, the carriers 26 connected with the eccentric arms 34 and 44 are rotated in the clockwise direction and simultaneously moved toward the center of the lower polishing plate 12 (See Fig. 7A). Therefore, the work pieces “W” held in the through-holes 28 of the carriers 26 are moved close to the inner edge of the donut-shaped lower polishing plate 12 (see Fig. 7B).

Page 17: 2nd full paragraph, amend as indicated below:

By orbiting the carriers 26 holding the work pieces “W” while polishing, the upper polishing plate 10 need not be rotated, so the means ~~[[25]]99~~ for rotating the upper polishing plate 10 can be omitted. Namely, the structure of the polishing machine can be simple.

Page 17: 4th full paragraph, amend as indicated below:

To easily handle the carriers 26, they are made thin and light.

However, if the connecting pins 32 and 42 are inserted in the small holes 26b of the thin carriers 26 and the eccentric arms 34 and 44 are rotated, inner edges of the small holes ~~[[26a]]26b~~ are sometimes damaged by the connecting pins 32 and 42, or outer circumferential faces of the connecting pins 32 and 42 are sometimes damaged by the inner edges of the small holes ~~[[26a]]26b~~. To solve the problem, reinforcing plates 25, each of which has a through-hole 25a whose diameter is equal to that of the small hole ~~[[26]]26b~~, may be adhere on the carrier 26 (see Figs. 8 and 9A). By the reinforcing plates 25, the inner edges of the small holes 26b can be reinforced, so that they are not damaged by the connecting pins 32 and 42 inserted there through.

Page 18: 1st full paragraph, amend as indicated below:

Further, as shown in Fig. 9B, the inner circumferential faces of the small hole 26b and the through-hole 25a, which contact the connecting pins 32 (or 42), may be reinforced by inserting and fixing cylindrical member 27a in the both holes 26b and 25a. In an example shown in Fig. 9B, the

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reinforcing plate 25, whose through-hole 25a is a female screw hole, is previously adhered on an upper face of the carrier 26. The cylindrical member 27a is upwardly extended from a flange section 27b, and a male screw is formed on an outer circumferential face thereof. The cylindrical member 27a is inserted into the small hole ~~[[26a]]~~25a from a bottom side of the carrier 26 and screwed with the female screw hole 25a of the reinforcing plate 25. With this structure, the inner faces and the inner edges of the small holes 26b can be reinforced.